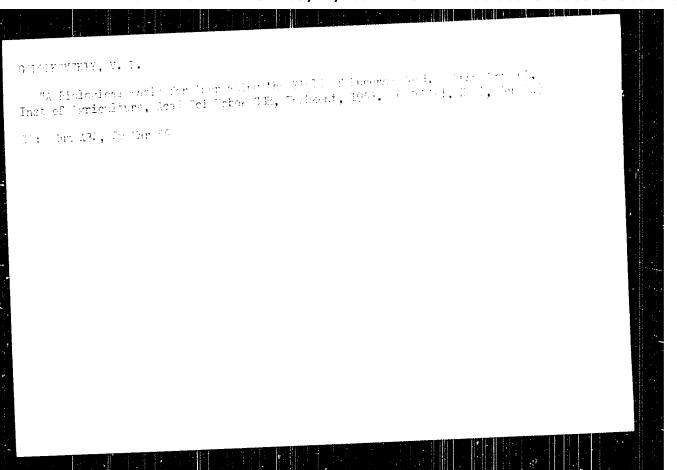
D'YAKONOV, I.A; GOLODNIKOV, G.V.; REPINSKAYA, I.E.

Reaction of diazoacetic ester with trimethylvinylsilane catalyzed by copper sulfate. Zhur.ob.khim. 32 no.10:3450-3451 G '62. (MIRA 15:11)

1. Leningradskiy gosudarstvennyy universitet. (Serine)



BORISOVA, A.G.; BOCHANTSEV, V.P.; BUTKOV, A.Ya., dotsent: VASIL'KOVSKAYA, A.P.;

VVEDENSKIY, A.I., dotsent; GOLODKOVSKIT, V.L.; GONCHAROV, N.F.

[deceased]; DROBOV, V.P., professor; KCROTKOVA, fe.Ye.; KOSTINA, K.F.;

KUDRYASHEV, S.N. [deceased]; LAKHINA, M.M.; LINCHHYSKIY, I.A.;

KUDRYASHEV, S.N. [deceased]; KHAL'ZOVA, K.P.; YUZEPCHUK, S.V.;

G.F.; SUNNEVICH, G.P. [deceased]; KHAL'ZOVA, K.P.; YUZEPCHUK, S.V.;

KOROVIN, Ye.P., professor, glavnyy redaktor; TAKIROV, K.Z., professor,

KOROVIN, Ye.P., professor, glavnyy redaktor; TAKIROV, K.Z., professor,

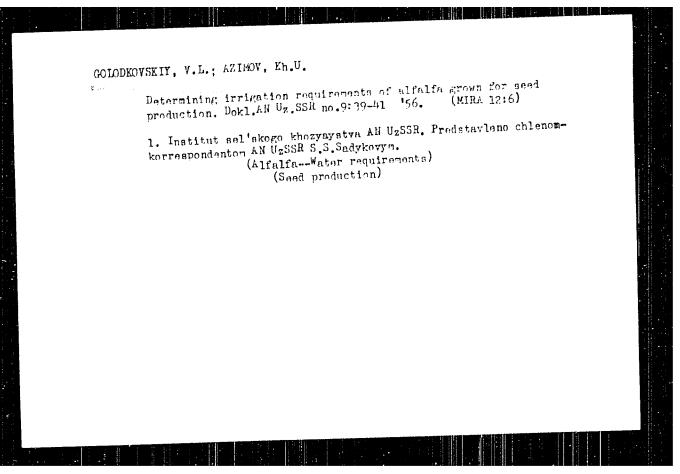
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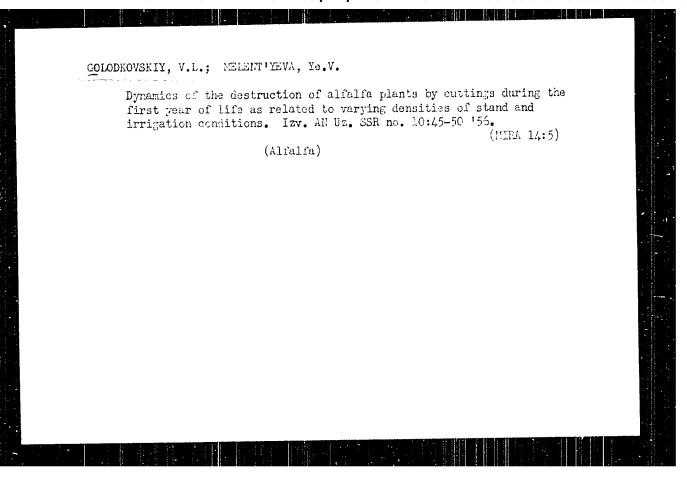
[The glora of Uzbekistan] Flora Uzbekistana, Glav. red. E.P.Korovin,

Tashkent, Izd. vo Akademii muk UzSSR, Vol.3, 1955, 825 p. (MIRA 9:10)

1. Deystvitel'nyy chlen AN UzSSR (for Korovin)

(Uzbekistan --Botany)





GOLODKOVSKIY, V.L.; SHAAKHAMOV, K.Sh.

Development of aerial parts and the root system in perennial grasses. Uzb. biol. zhur. no.1:36-41 '61. (MIFA 14.3)

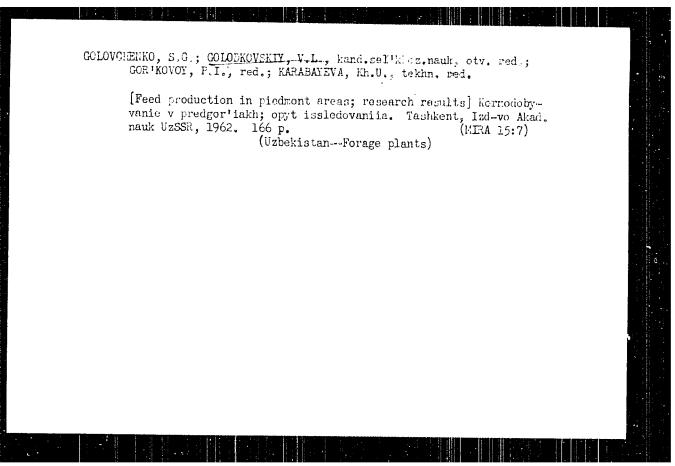
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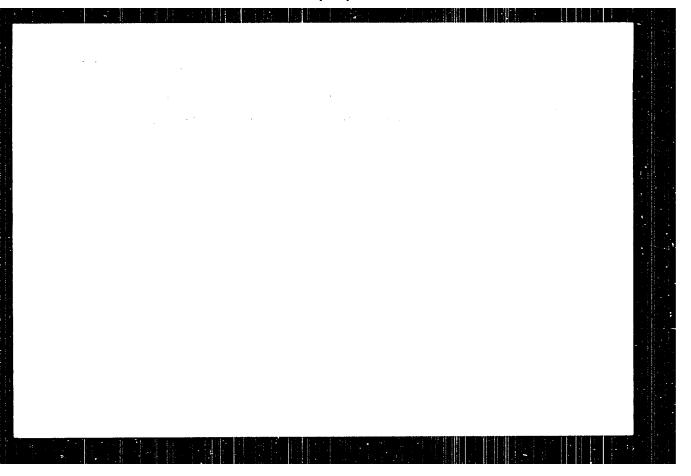
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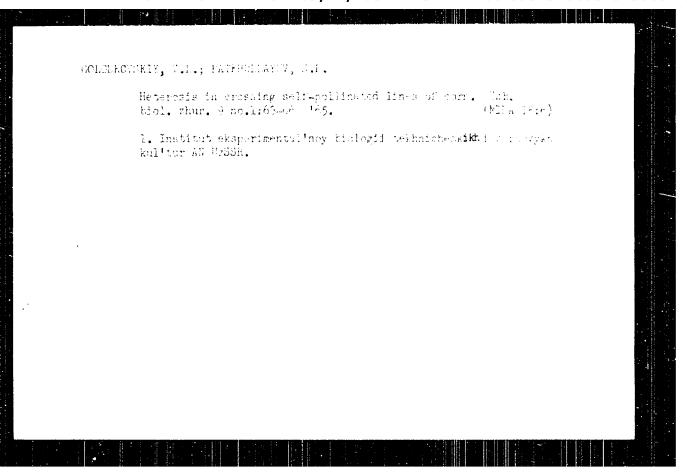
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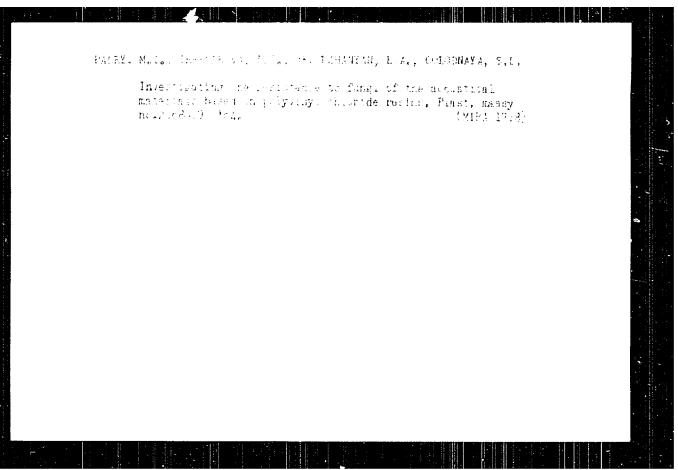
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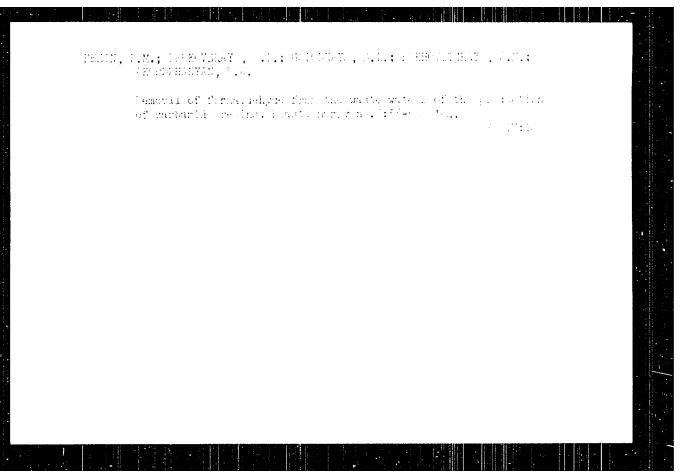
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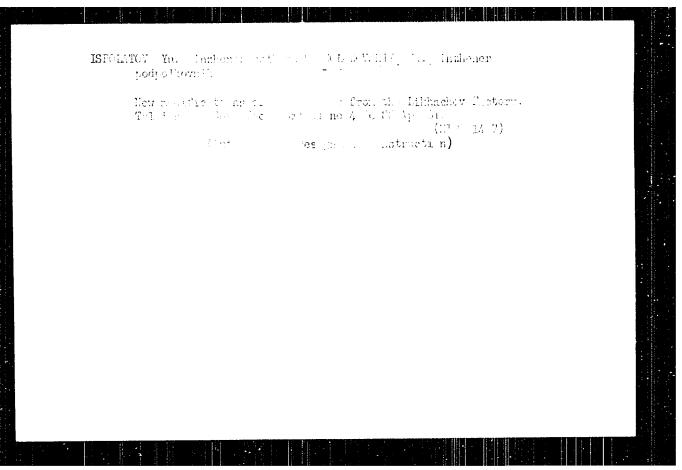












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# GOLODNIKOV, G.V.

USSR/Chemistry - Catalysis

Card 1/1 Pub. 151 - 12/33

Authors : Dolgov, B. N., and Golodnikov, G. V.

: Catalytic derivation of mixed ketones from primary alcohols. Part 1.-Title

Ketonization of an ethyl and n-butyl alcohol mixture

Periodical : Zhur. ob. khim. 24/6, 987-993, June 1954

Abstract : Experiments on the ketonization of an ethyl and m-butyl alcohol mixture,

carried out in the presence of additionally introduced hydrogen in molar ratio of 1: 1 to the alcohol mixture, are described. The effect of the hydrogen addition on the ketone yield and catalyst activity is explained. The conditions favorable for such ketonization process and the experimental re-

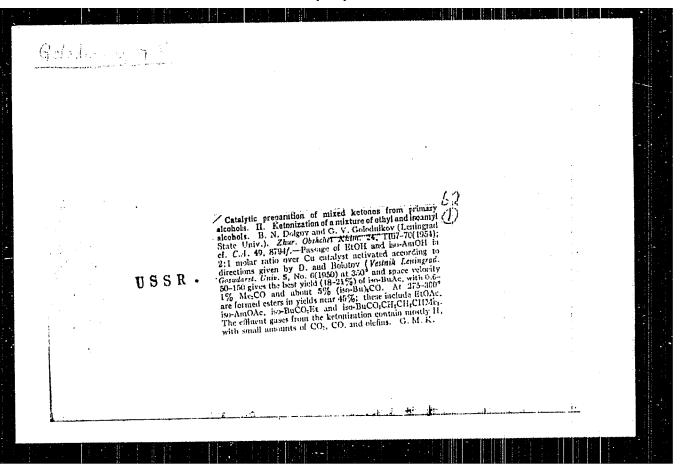
sults obtained are listed. Nine references: 6-USSR and 3-USA (1924-1951).

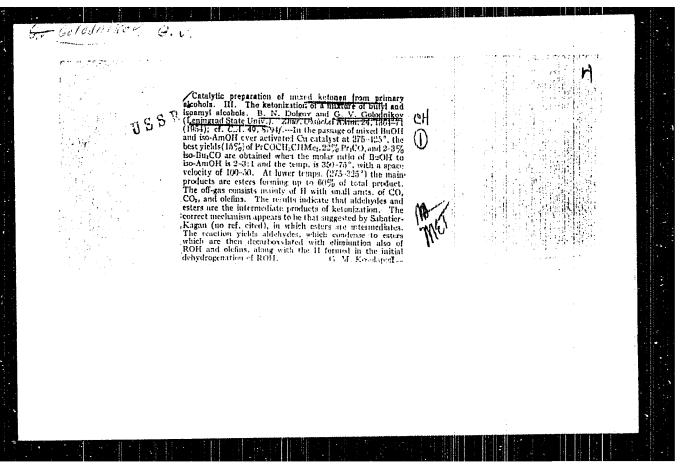
Tables.

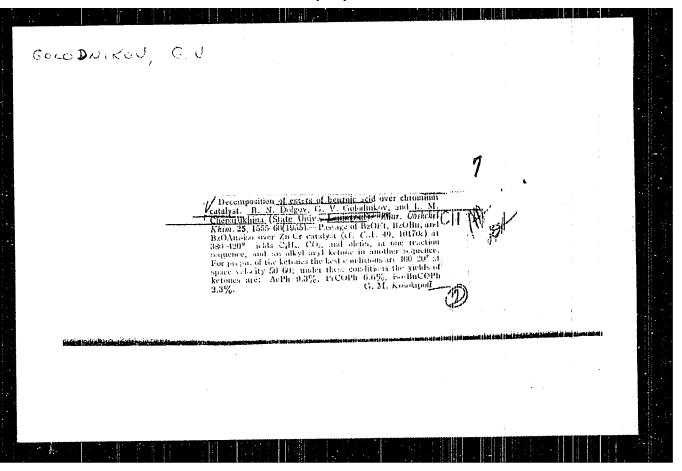
Institution: The A. A. Zhdanov State University, Leningrad

: December 26, 1953 Submitted

GOLODNIKON, G V.		
2		
Catalytic preparation of mixed ketones from primary alcohols. II. Ketonization of a mixture of ethyl and isonamy alcohols. II. N. Dolgov and G. V. Golddelinov. J. Cen. Chem. U.S.S.R. 24, 1159-61 (1993) (1994) (19		
J. Gen. Chem. U.S.S.R. 24, T159-61(19) Engle Franciscon).—See C.A. 49, 12282a. B. M. R.	, et	
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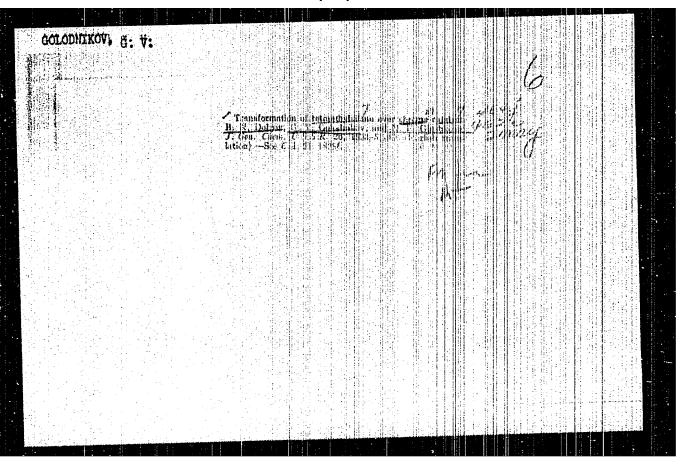
USSR/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref Thur-Dimiya, No 6, 1957, 19254

Author: Dolgov B. R., Golodnikov G. V., Glushkeva N. Ye.
Inst:
Title: Conversion of Tetraethylsilane over a Chronium Cetalyst.

Orig Pub: Zh. obshch. khimiyi, 1956, 26, No 6, 1688-1691

Abstract: At 530-500 tetra.thylsilane (I) over a chronium catalyst
In an absorption of Mg is decomposed into Criechylsilane
and Oglik. At 600-630 a deep hydrogenolysis ensues with
the formation of CgRG and Si. Dehydration of I to triethylvinylsilane is not observed.



614

# PHASE I BOOK EXPLOITATION

Golodnikov, Gennadiy Vladimirovich, Nizovkina, Tat'yana Vsevolodovna and Ryskal'chuk, Apollinariya Terent'yevna

Praktikum po organicheskomu sintezu (Practical Work in Organic Synthesis) Leningrad, izd-vo Leningrad. univ-ta, 1957. 187 p. 6,080 copies printed.

Sponsoring Agency: Leningrad. Universitet.

Ed. (title page): Dolgov, B.N., Professor; Ed. (inside book): Shchemeleva, Ye.V.; Tech. Ed.: Vodolagina, S.D.

PURPOSE: This manual is intended for the use of chemistry students taking a laboratory course in organic synthesis.

COVERAGE: This manual is presented as a guide to practical laboratory work in organic synthesis. It is divided into three parts. The first part is devoted to general methods and procedures of laboratory work in this field. Particular attention is given to

Card 1/8

Practical Work in Organic Synthesis

514

fractional distillation, fractionating columns, steam distillation, reduced-pressure distillation, recrystallization, and the determination of melting points. Instructions are given for keeping records, safeguarding against accidents, what to do in case of fire, ords, safeguarding against accidents, what to do in case of fire, first aid in case of burns, glass cuts, etc. The second part describes the synthesis of organic compounds. The syntheses are divided according to types of reaction. For each type of reaction a few examples are given distinguished one from the other according to methods of separation and treatment of organic compounds produced. The third part of the manual includes supplementary syntheses which are given to laboratory students as finals. Every synthesis described in the manual has been checked and proved many times over during many years by the faculty of organic chemistry at the Leningrad State University. There are no personalities and no references.

TABLE OF CONTENTS:

Foreword

Card 2/8

3

Pract	ical Work in Organic Synthesis 614		
Part	I. General Procedures	5	
1	Distillation	7	
	Extraction	27	
	Crystallization	30	
Ιι •	Determination of the melting point	30 36 39	
5.	Sublimation	39	
۶.	Order of completion of experimental work by students.		
٥.	Instructions for keeping records	40	
7	Instructions for laboratory work	41	
ģ.	Special precautionary measures for certain cases	41	
9.	What to do in case of fire. First aid in case of		
<b>,</b>	accidents	4.5	
Dant	II. Synthesis of Organic Compounds	44	
	Halogenation reaction	44	
Ι.	Ethyl bromide		
	Ethyl iodide	52	
	nButvl bromide	51 522 555 54	
	nButyl bromide 1.2-Dibromoethane	53	
	Bromobenzene	54	
Card	3/8		
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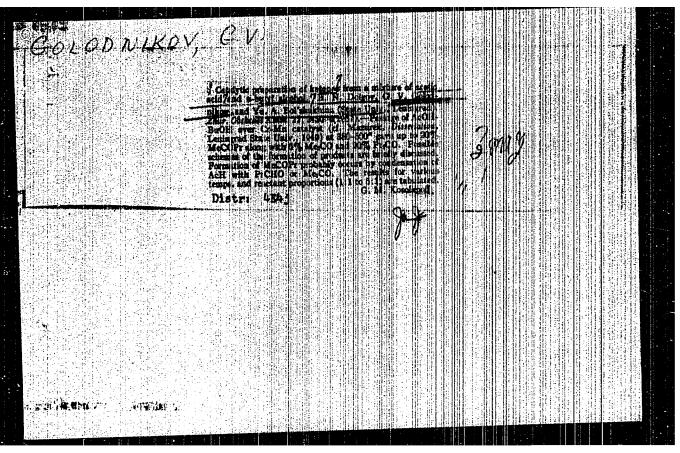
Pract	ical Work in Organic Synthesis 614		
2.	Dehydration reaction	65 58 58 50 66 67 63 63	
	Ethylene	50	
	Cyclohexane	50	
	Isobutylene	20	
	Isoamyl ester	50 50	
3.		66	
	Nitromethane	67	
	Nitrobenzene	63	1
	Dinitrobenzene	63	
	o- and p-Nitrobenzene	ΰ9	
	p-Nitroacetanilide and p-nitroanilide	70	
	4-Nitrosodimethyl aniline	71	
	4-Nitrosophenol	71	
4.	Sulfonation reaction	74	
	Benzenesulfonic acid Benzenesulfonic chloride	71 74 75 76 76 73	
	Sulfanilic acid	75	:
	Naphthionic acid. Sodium naphthionate	76	
5.		76	
٦٠	Dimethylethyl carbinol	83	
	Methyldiphenyl carbinol (from magnesium bromylphenyl	2.1	
	and acetophenone)	84	
	and desceptions,		خو

Pract 6. 7.	Formaldehyde Propionic aldehyde nButyraldehyde Benzophenone from benzhydrol Benzaldehyde from benzyl chloride nButyric ester of butyric acid Quinone (benzoquinone) Oxidation-reduction reaction Benzoic acid and benzyl alcohol from benzaldehyde Benzyl alcohol Butyl butyrate from butyraldehyde	86 88 89 94 97 99 99 99
Card	5/8	

Pract	ical Work in Organic Synthesis 514	
	Aniline	109
	Azoxybenzene	110
0	Acylation reaction	111
9.	Ethyl acetate	114
	Isoamyl acetate	115
	Ethyl ether of benzoic acid	116
	β-Pentaacetyl glucose	117
	Tribenzoyl glycerin	118
	Acetanilide	118
10.		118
10.	sac_Butyl henzene	123
	Panzaphanone (from henzovi chloride and benzene)	123
	Banzanhenone (from henzene and carbon tetrachioride)	124
	Acctorbonone (from henzene and acetic annyuriue)	126
	Acetophenone (from benzene and acetyl chloride) Triphenylchloromethane (from benzene and carbon	126
	tetrachloride)	127
	Ethyl benzene (according to the Radzivanovskiy	6
	manation)	128
	Ethyl benzene (according to the Fittig reaction)	129
Card	6/8	

Practic 11. 12. 13.	Ethyl ester of panish Diazo compound reaction with	129 137 138 139 140 141 142 142 144 145 146 155 156 157	,
Card	7/8		

Practical Work in Organic Synthesis 614	
. Congo red β -Naphthol orange Phenylhydrazine	153 159 159
Part III. Syntheses Given to Students as Final Exercises  1. Synthesis of methyl-n-amyl ketone 2. Synthesis of ethyl ester of phenylmalonic acid 3. Synthesis of ethyl ester of ethylene tetracarboxylic acld 4. Synthesis of dibenzoyl methane 5. Synthesis of ω-bromostyrol 6. Synthesis of phenylpropyl acid 7. Synthesis of pinacolin 8. Synthesis of σ-ionone 9. Synthesis of bornyl chloride from pinene 10. Synthesis of benzidine 11. Synthesis of quinoline 12. Synthesis of quinoline 13. Synthesis of quinaldic acid 14. Synthesis of cyclohexanol	161 161 163 164 166 168 168 170 173 174 175 177 178 179 184
AVAILABLE: Library of Congress  BK/ad  9-15-58	



20-5-18/47

AUTHORS:

Dolgov, B. N., Golodnikov, C. V., and Golodova, A. G.

TITLE:

On the Possibility of Catalytic Dehydrogenation of Silicon-Hydrocarbons (O vozmozhnosti kataliticheskogo degidrirovaniya kremena-

levodorov)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 5, pp. 987 - 369 (USSR)

ABSTRACT:

There exist no references to this kind of dehydrogenation of silicon-paraffins in publications. In reference 1 it is reported that under the conditions selected there the above-mentioned reaction with tetraethylsilane did not take place. The authors succeeded in finding a catalyst (placed at their disposal by Yu. A. Gorin and S. M. Monoszon) and in determining the conditions of the dehydrogenation of a mixed tetra-alkylsilane, nauly trimethylbutylsilane. The nature of the above-mentioned catalyst is not mentioned in the paper. At 550 - 575 °C 6,2 - 8,6 % yields of trimethyl-buterylsilane, calculated on the trimethylbutylsilane sent through, were obtained (table 1). The catalyst is highly stable: neither the yields of silicon-olefin change nor is silicon deposited on the catalyst. The above-mentioned yields can still be increased by repeated passage of condensates over the catalyst, as the latter contain considerable quantities of unchanged trimethylbutylsilane.

Card 1/3

20-6-18/47

On the Possibility of Catalytic Dehydrogenation of Silicon-Hg in some Bond

beside the dehydrogenation, especially at high temperatures (575 -- 600°C), some side reactions take place which are connected with the thermal decomposition of trimethylbutylsilane. Of special interest is the formation of tetramethylsilane and propylene which occurs under splitting up of the C-C bond in the butyl radical. At the same temperatures a destructive hydrogenation of the formed tetramethylsilane by hydrogen, pro duced in the debydrogenation of trimethylbutylsilane takes place. Theoretically the following isomers of trimethylbutenyl-silane are possible: (CH3),SiCH == CHCH\_CH\_ (cic- and trans-forms) (I), (CH\_\_), SiGH\_CH\_ CHCH\_ (cic- and trans-forms) (I), and (CH\_\_) SiGH\_CH\_CH\_ CH\_ (III).

Of these, however, only trimethyl- Y-butenylsilane (III) is known. The authors did not succeed in isolating the silicon elefin in a pure state, as the boiling points of all products and of the initial substance are supposed to lie very close to each other. The constants of the fraction 109 - 111 C, most enriched with silicon--olefin, are in table 2 compared with the properties of the known Y-isomer (III) and of the initial substance. The silison-clefin obtained by the authors apparently is the  $\gamma$ -isomer (I). The shearce of the  $\beta$ -isomer (II) is confirmed by the speed of the rhodanation of the produced silicon-olefin. Finally the absence of the  $\beta\text{-isomer}$  is confirmed by the production of a stable dibromide

card 2/3

20-6-18/47

7

On the Possibility of Catalytic Dehydrogenation of Silicon-Hydrocarbons

of trimethyl-butenyl-silane. A kind of short experimental mert with the usual data is given which is not designated as such. There are 2 tables, and 8 references, 6 of which are 51 are 5.

ASSOCIATION:

Leningrad State University imeni A. A. Zhdanev

(Leningradskiy gosudarstvenny/ universitet in. A. A. Aldanova)

PRESENTED:

August 5, 1957, by A. V. Popchiyev, Academician

SUBMITTED:

August 5, 1957

AVAILABLE:

Library of Congress

Card 3/3

AUTHORS:

Golodnikov, G. V., Dolgov, B. N.,

sc7/73-28-6-21/66

Propp, L. N.

TITLE:

Catalytic Synthesis of Ketones From a Mixture of n-Butyric Acid and Ethyl Alcohol (Kataliticheskoye polucheniye ketonov

iz smesi n.-maslyanoy kisloty i etilovogo spirta)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol. 26, Nr 8,

pp. 2097 - 2099 (USSR)

ABSTRACT:

The authors showed already in the previous paper (Ref 1) that a methyl-propylketone and besides this symmetrical ketones, i.e. acetone and dipropyl ketone, are formed in in the case of passing of a mixture of acetic acid and n-butyl alcohol over a Cr-Mn catalyst. The suggested reaction scheme is based upon a dissociation of the primarily formed ester, of butyl acetate into aldehyles, their aldol-condensation and the further transformation of aldol into methyl-propyl ketone. The present paper is a continuation of the experiments which try to synthesize mixed ketones from mixtures of acids and alcohols. A mixture of ethyl alcohol and n-butyric acid was chosen. This mixture is interesting since the assumed

Card 1/3

Catalytic Synthesis of Ketones From a Mixture of n-Butyric Acid and Ethyl Alcohol

sov/79-28-8-21/66

intermediate product formed in the ketone formation, the ethyl butyrate is metameric to the butyl acetate which for its part represents an intermediate product which was formed in the ketone for ation of the mixture of acetic acid n.-butyl alcohol. Thus the transformations of these esters which are in the metamerismic ratio are bound to lead to one and the same aldehydes, i.e. to the acetic- and but, ric aldehyde. Therefore the formation of the same ketones, i.e. of methylpropyl ketone, acetone, and dipropyl ketone observed in the reaction confirms to a certain extent the correctnes of the suggested mechanism of the ketonization of the mixtures of acids and primary alcohols. The formation of a mixed ketone is demonstrated in the given reaction scheme, where attention must be paid to R and R' of both mixtures. The conditions and results of the experiments are given in tables 1,2,3, the properties of the ketones in .able 4. Cr-Mn catalyst was used as a catalyst in this work. There are 4 tables and 4 referwhich are Soviet. ences,

Card 2/3

colic Synthesis of Ketones From a Mixture of SCV/79-26-6-21/66 ric Acid and Ethyl Alcohol

Low MATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

StaticED: July 2, 1957

s/c7 4/66/136/663/663/664 5001, BD/4 53700 2209 Dolgov, B. M. (Deceased), Goldinizov, G. V. . Jensler, I B AUTHORS: Satalytic Conversion of Tetraulkyl Silanes (III. detalytic Dehydrogenation of Trime by Propyri, Trime by Butyl. TITLE: and Trimethyl Hexyl Silane Zhurnal okahahey khimii, 1960. Vol. 10. 10. 3. PERIODICAL: pp. 2988 2995 TEXT: In continuation of their previous paper (Ref. 2), the authors studied the dehydrogenation of silicon hydrocarbons of the series  $(CH_3)_3$ SiR,  $(R = \tilde{C}_3H_7, C_4H_7, C_6H_{13})$ . The investigations were carried out ıΧ with the catalyst used in the previous investigation (Ref. 2) by Yu. A. Gorin and S. M. Monozon and placed at the authors' lisposed. The tetraethyl silane passed through over this catalyst at  $500-600^\circ$  (volume rate 30) was not dehydrogenated: Besides unchanged tetraethyl silane, triethyl silane and diethyl silane, that are formed by the splitting off of ethylene. were detected (Table 1). The gaseous products consisted of hydrogen. saturated hydrocarbons and ethylene. The silanes of the series Card 1/3

Catalytic Conversion of Tetraalkyl Silanes 3/07)/80/030/000/006/015 III. Catalytic Dehydrogenation of Trimethyl 8004/8064 Propyl-, Trimethyl Butyl-, and Trimethyl Hexyl Silane

(CH<sub>3</sub>) SiR, however, contain no ethyl radicals and can therefore be dehydrogenated with the above catalyst. Table 2 shows the optimum conditions of the dehydrogenation of trimethyl butyl silane, and Table 3 those of the dehydrogenation of trimethyl propyl silane (depending on the temperatures and volume rates), as well as the yields of the reaction products. The reactions carried out at temperatures above 570°C in the presence of a catalyst proceeded according to Scheme 2 with the bonis C - C ani C - Si undergoing cleavage. Only by multiple fractional instillation, in a rectifying column, it was possible to separate the fraction boiling between 84.0 and 84.5°C that (ewing to the throcyanogen number) contained 31.1% silicon olefin. The three intensive lines of the Raman spectrum of the fractions enriched with the silicon clefin are probably caused by the isomers (CH<sub>3</sub>) SiCH=CHCH<sub>3</sub> and (CH<sub>3</sub>) SiCH=CH=CH<sub>2</sub>. The dehydrogenation product of trimethyl propyl silane appears, according to its spectral analysis, as in the case of trimethyl butyl silane (Ref. 2), to sonsist for the major part of the isomer of silicon olefin that contains the louble bind in

Card 2/3

Catalytic Conversion of Tetraalkyl Silanes. III. Catalytic Dehydrogenation of Trimethyl Propyl-, Trimethyl Butyl-, and Trimethyl Hexyl Silane

3/073/60/030/003/003/006/015 8001/8064

 $\alpha$ -position to the silicon, A temperature of 540°C and the volume rate of 45 proved to be the optimum reaction conditions for the dehydrogenation of trimethyl hexyl silane (Table 4). Also here, the Raman spectrum shows in all cases the frequencies characteristic of the double bond. There are 8 tables and 17 references: 6 Soviet, 6 US, and 3 German.

ASSOCIATION:

Leningradskiy gosudarstvennyy universitet

(Leningrad State University)

SUBMITTED:

October 2, 1959

Card 3/3

86879 s/070/60/030/010/020/030 5 3700 my 1273, 1705 B001/B066 Golodnikov, G. V., Dolgov, B. N. (Deceased) and AUTHORS: Sedova, V. F. Synthesis and Properties of Trialkyl-triaryl-(p-bromephenoxy)-silanes. I. Trimethyl , Triethyl and Tri-TITLE: propyl-(p-bromo-phenoxy)-silan-Shurnal obshchey khimii, 1960, Vol. 30, No. 'C. PERIODICAL: pp. 3352 - 3358 TEXT: Only the first member of silicon containing bromdes of the general formula  $p-R_2SiOC_6H_4$  Br  $(R=CH_2)$  has so far been described in publications. lications (Ref.1). The authors of the present paper intended to synthesize members of the same series with  $R=C_2H_{\frac{1}{2}},\ C_3H_{\frac{1}{2}}$  and to study the possibilities of their synthesis, first of all, when using the Grignard reagents (obtained from the above bromides) in the synthesis of silicon containing aromatic alcohols and acids. The hydrolytic stability of the ether group  $Si=C=C_{ar}$  ( $C_{ar}$  aromatic parbon of benzene) Card 1/3

34679

Synthesis and Properties of Trialkyl-tri- S/C79/60/C30/010/C20/030 aryl-(p-bromo-phenoxy)-silanes, I Tri- B001/B066 methyl-, Triethyl-, and Tripropyl-(p-brome-phenoxy)-silane

should further be investigated. The trialkyl (p-brome-phenexy)-silanes newly synthesized by the authors are stable to hydrolysis; the Si-O-C ax bond remains unchanged (Ref-?). The secondary alcohols were synthesized according to the Scheme  $R_3SiOC_6H_4MgBr+CH_3CHO-\longrightarrow R_3SiOC_6H_4CHOHCH_2$ . Alcohols with  $R=CH_2$  or  $C_2H_5$  however, were not obtained because of their hydrolytic instability. At  $R=CH_2$ , only hexamethyl disiloxane (EC,1 yield) and a silicon-free resin resulted. When R was  $C_3H_5$ , trieftly-phenoxy-silane (24%), was found in addition to hexaethyl disiloxane (38%) and a large quantity of resin. Methyl (p-tripropyl-siloxy-phenyl) carbinol was far more stable (32%). Tripropyl-phenixy siloxy-phenyl carbinol was far more stable (32%). Tripropyl-phenixy silane (20%) and a small resin quantity were obtained as side products, which indicates a comparative hydrolytic stability of the Si-O-C bond in the molecule of the alcohol. Melecular weight and silicon content are in good agreement with the formula (C,H\_) SiOC\_H\_CHOHCH. Firther

Card 2/3

19979 Synthesis and Properties of Trialkyl-tris/073/40/050/010/020/030 BUO1/306A aryl-(r-brome-phenexy) silanes. I. Tile methyle, Triethyle, and Tripropyl (pebromosphenoxyes:lare experiments concerning the synthesis of the alcohols show that, when propyl radicals are introduced, the hydrolytic stability if  $\geqslant$  Si 0  $\uparrow_{ar}$ bonds increases so much that the corresponding alrehal can be segarated. Acids of the general formula  $p \cdot R_\chi SiCO_\rho H_\chi COOH$  sould not be synthesized by means of the stabilizing propy, radicals of exybense: and end silicon-containing cleavage products were found instead of these acris (Table 1). The effect of the magnitude of the radical on the silinor atom upon the properties of the Si-C C ar bind was experimentally deter mined by cleavage of the Grignard reagents (Stness E). Table I illus trates the cleavage of the Grignard reagents [-R, $3:CC_{\chi}H$ , $H_{\zeta}E:$  There are 4 tables and 9 references, 6 Saviet, 2 US, and 1 Perman. ASSOCIATION: Leningradskiy gosalarstvennyy universitet (Leningrad State University) SUBMITTED. December 2, 1959 Card 3/3

61.385

5 3700 2209, 1273, 1153

\$/079/60/050/010/028/030 B001/B066

AUTHORS:

Golodnikov, G. Y. and Repinskaya, I 3

TITLE:

Catalytic Dehydrocyclization of Trimethyl hexyl Silare

PERIODICAL:

Zhurnal obshchey khimii, 1960, 7cl 50, No. 10,

pp. 3501 - 3502

TEXT: In order to find out whether dehydroxyclization of trimethyle hexyl silane is possible, the authors allowed it to pass over a chrom.un catalyst at 530-590°C (Ref.1). Under these conditions, dehydrocycliza tion gives trimethyl-phenyl silane: The aromatization of siling paraf

 $(\mathrm{CH_3})_3^{\mathrm{sic}_6\mathrm{H}_{13}} \longrightarrow \mathrm{AH_2} \cdot (\mathrm{CH_3})_3^{\mathrm{sic}_6\mathrm{H}_5}$ fins is a reaction hitherto unknown in organosiliton chemistry. An un saturated hydrocarbon appears as intermediate, whose content in the condensates varied between 7.5 and 21%, according to the temperature (determined by the thiocyanation method) Trimethyl silane tetramethyl silane, pentene, hexene and benzene were the side products. The condensates repeatedly underwent fractional destillation. The separated

Card 1/2

81,885

Catalytic Dehydrocyclization of Trimethyl-hexyl Silane

s/079/60/030/010/025/030 B001/B066

fraction with a boiling point between 163 and 165° contained trimethylophenyl silane in addition to unchanged trimethylohexyl silane. Ref. 2 gives the data published on trimethylohexyl silane, and Ref. 3 those on trimethylophenyl silane. The presence of trimethylophenyl silane in the fraction boiling between 163 and 165° is confirmed by its refractive index and spectroscopic data. The infrared spectrum of the fraction shows an absorption maximum which is characteristic of the phenyl ring which is bound to the silicon (Ref.4). This study is being continued to find stronger catalysts for the dehydrocyclication of silicon papar fins. There are 4 references: 'Soviet : Japanese and 2 US.

SUBMITTED: May 25, 1960

Card 2/2

8 015/61 031 011/91/ 500 D128 D10% 5 8 55 60 Golodnikov G V and Almas Vesse in E AUTHORS For any l , tribexed  $\ell$  and for phonor  $\ell$  , becomes  $\ell$  : TITLE salanes Zhirmal obshichev khimix so dto no ti 1965 ning Clas-TERTODICAL: The anothers studied the synthesis and properties of  $(t_{\rm CC})$ tittle known siticoorganic browness and two new siticoorganic ilcohots triamyl (n bromophenoxy)silene (1), tribexvi (n be emophene vela to (II): terphenyl (n bromoghenoxy) silva (III) methyl to transfer  $\text{ xyphenyt ) carbinot } = \text{ n } (C_5 \Pi_{11}) \text{SigC}_6 \Pi_4 (\text{HOHCH}_4) \text{ (IV)} \quad \text{and we that }$ (a-trihexylsiloxyphenyl)carbinol + a ( $\frac{e}{2}g_{+1}$ )S:00  $\frac{e}{2}$ H (HeBJH  $_{2}$  + 7) vious research by G. V. Golodníkov, B. N. Dirgov, A. F. Betons (ket a Zb. obshch. khimi) 30, 3352, 1966) on the properties and each times of bromides of the type of  $R_3$ SiOCG $R_4$ Br. disclosed the possibility of these Card 1/3

## "APPROVED FOR RELEASE: 09/24/2001 CIA-R

CIA-RDP86-00513R000515730004-6

- 8, 1,79,764, 020, 04 (3,44, 0,5) - 9, 18,713, 5

Triamyl tribexyl and

conversion into secondary introorganic algorits by means of agraphic decided and magnesion grant compounds. The method of the complete color of condensation of trially) and trially conditions with a complete color of trially contained, mixed in R. V. Despec. To [] Am Despec. into ZnCl<sub>2</sub> at SnCl<sub>2</sub> contained, mixed in R. V. Despec. To [] Am Despec. in the Magnesia of the SnCl<sub>2</sub> contained to the SnCl<sub>2</sub> contained to the SnCl<sub>2</sub> contained to propose [] If and the Information in Freed better for all No. 1100 Mg. abs. ether, [] and other broaders are Freed better for all No. 1100 Mg. abs. ether, [] and other broaders are Freed better with a standard nor all the solution and an accessive could develope the solution of the solution of the solution of the subsequent various described to the report of the first interest visited three fractions. [175] and the place of the SnCl<sub>2</sub> contained to the solution of the solution

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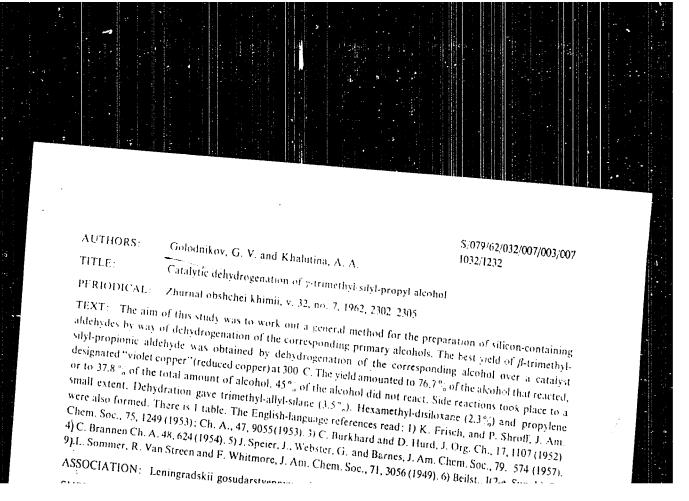
Triamyl. trihexyl, and December 6, 1960

Si-0-C bond in the molecules of IV and V, which may be due to the screening effect of the amyl and hexyl radicals linked with the Si atom. IV and V react with Na to give H<sub>2</sub>, and their interpretable spectra contain absorption maxima at 3400 cm<sup>-1</sup> and 3350 cm<sup>-1</sup> respectively.

ASSOCIATION: Leningradskiy gosudarstvennyy university (Leningrad State University)

Card 3/3

s/079/61/031/011/014/0157.7 D228/p305 Golodnikov, G. V., and Koroleva, G. N. Catalytic dehydrogenation of trumethyle thylsilane 5 3100 Zhurnal obshchey khimii, v. 31, no. 11, 1961, 3738...3740 AUTHORS: The authors studied the catalytic dehydrogenation of trimethyl. TITLE: ethylsilane—the first member of a group of mixed silanes with the formula MegSiR. B. N. Dolgov, G. V. Golodnikov, and I. B. Gensler (Ref. 1: Zh. HERIODICAL: obshch, khimii, 30, 2988, 1960), whose experimental procedure was followed ousner, knimit, ou, 2000, 1900), whose experimental procedure was followed in this work, also examined the dehydrogenation of other mixed silanes. In this work, also examined the denydrogenation of other mixed silanes. MegSiPr, MegSillx -- and showed that tetraethylsilane, on the contrary, does not undergo dehydrogenation under the chosen conditions. The authors of the data indicate that the reaction proceeds best at 590 ... 600, some 20 - 300 data indicate that the reaction proceeds provide the process of the containing property and hard and hard higher than in the containing property between the containing property and hard and har data indicate that the reaction proceeds best at 590 - 500 , some 20 - 50 higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes containing propyl, butyl, and hexyl higher than is the case with silanes (II), trime thyl ringle containing propyl, and hexyl higher than is the case with silanes (II), trime thyl ringle containing propyl, and hexyl higher than is the case with silanes (II), trime thyl ringle containing propyl, and hexyl higher than its propyl containing Card 1/2



\$/079/62/032/007/004/007 1032/1232

AUTHORS:

Golodnikov, G. V. and Sycheva T. P.

TITLE:

Synthesis and properties of tributyl-(p-bromophenyl)-silane

PERIODICAL:

Zhurnal obsheher khimi, v. 32, no. 7, 1962, 2305-2307

TEXT: Tributyl-(p-bromophenoxy)-silane, a compound not described in the literature hitherto, was synthessized by catalytic condensation (involving dehydrogenation) of tributyl-silane with p-bromophenol, in the presence of SnCl<sub>2</sub>. Tributyl-(p-bromophenoxy)-silane reacted with magnesium to give a Grignard reagent,

$$n - (C_4H_9)_3SiOC_6H_4Br \xrightarrow{M_8} n - (C_4H_9)_9SiOC_6H_4MgBr \xrightarrow{CH_5CHO} n - (C_4H_9)_3SiOC_6H_4CHOHCH_3$$
ensation of tripropyl-silane with o-bromophenol in the presence of Section contained considerable.

Condensation of tripropyl-silane with o-bromophenol in the presence of  $SnCl_2$  was attempted, but the products of reaction contained considerable amounts of hexapropyl-disiloxane, o-bromophenol, as well as 57.9% of the calculated amount of hydrogen. The tripropyl-(o-bromopjenoxy)-silane is considered to have undergone ASSOCIATION: Leningradskii gosudarstvennyy universitet (Leningrad State University)

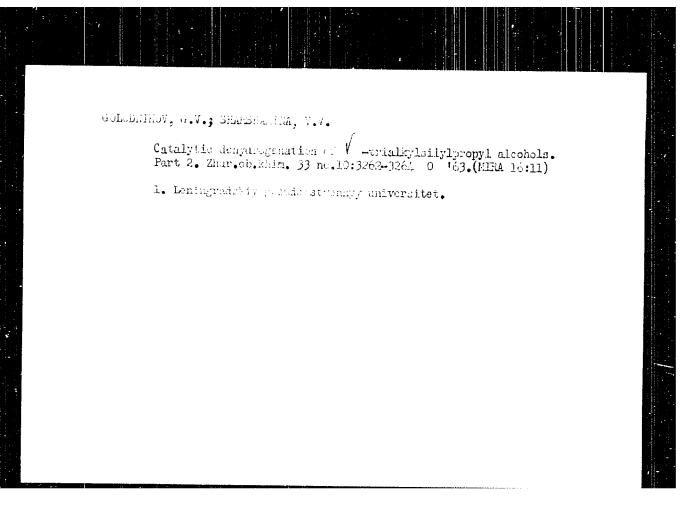
SUBMITTED:

Card 1/1

GOLODNIKOV, G.V., D'YAKONOV, I.A.; REPINSEAYA, I.B.; FOMENA, O.S.

Copper sulfate catalyzed reaction of diazoacetic ester with 3-trimethylsilyl-1-propene and A-trimethylsilyl-1-butene.
Zhur.ob.khim. 33 no.7:2422-2423 Jl '63. (MIRA 16:3)

1. Leningradskiy gosudarstvennyy universitet.
(Silicon organic compounds) (Acetic acid)



GOLODNIKOV, G.V.; MARRIN, G.kn.

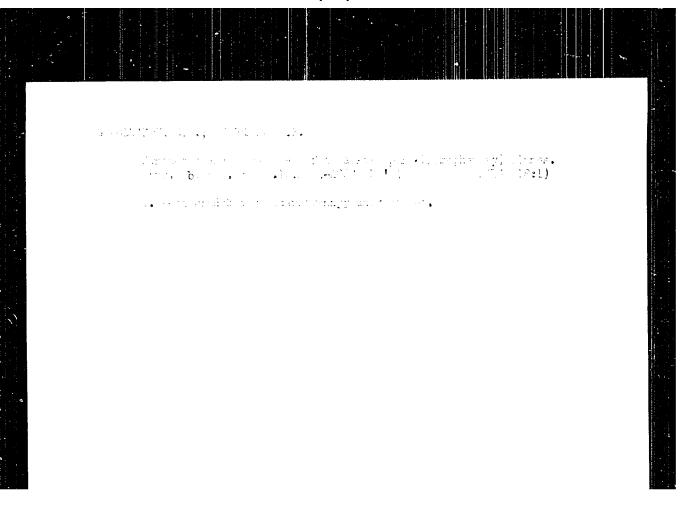
Synthesis and properties of trialkyl(p-bromophenoxy)silanes. Part 4.
Zhur.ob.khim. 33 n..10:3265-3266 0 163. (MIFA 16:11)

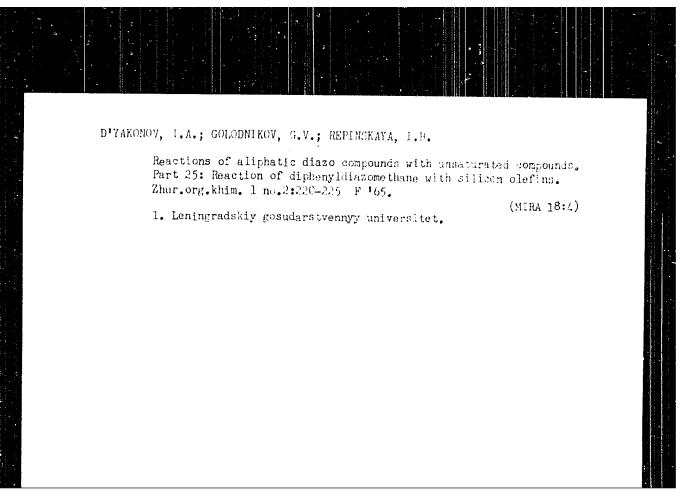
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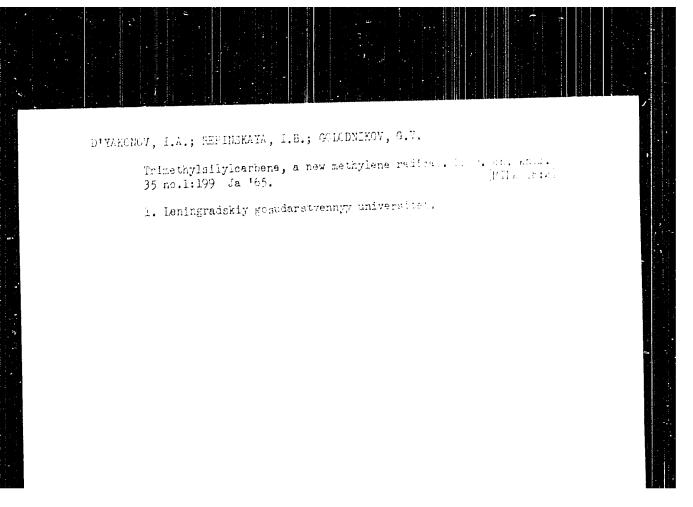
D'YAKONOV, I.A.; GOLODNIKOV, G.V.; REPINSKAYA, I.B.; FOMINA, O.S.

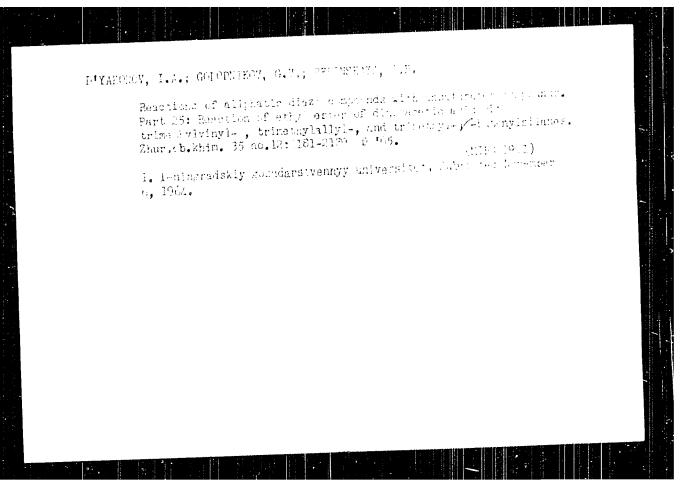
Reactions of diphenylmethylene and carbethoxycarbene with alkenylsilanes. Zhur.ob.khim. 33 no.10:3438-3439 0 163. (MIRA 16:11)

1. Leningradskiy gosuda:stvennyy universitet.

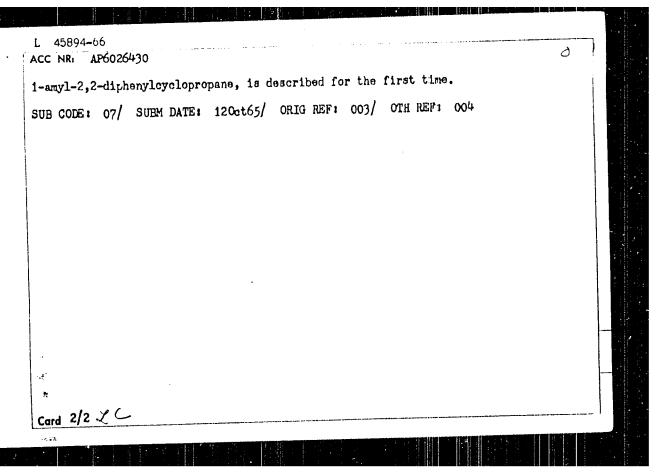


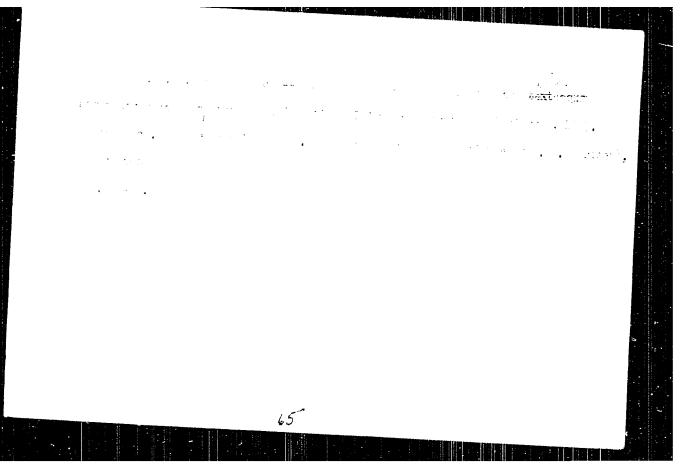


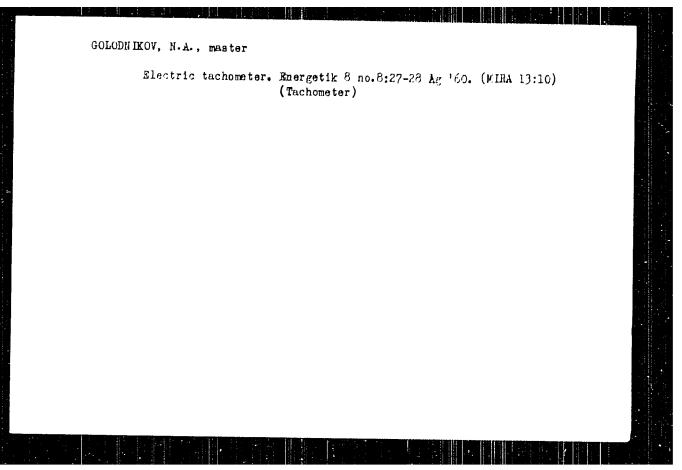


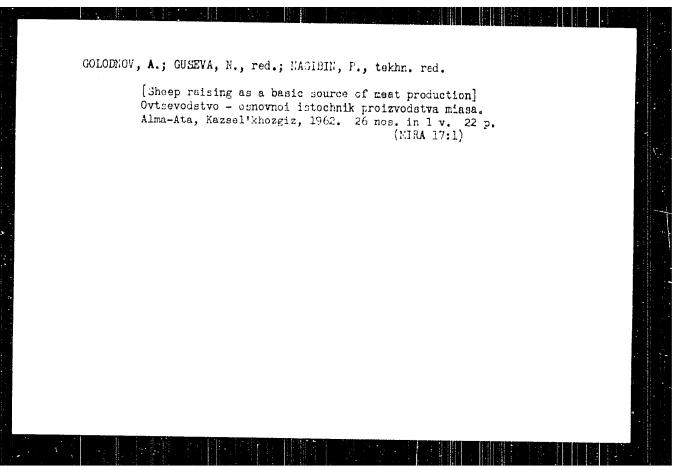


L 45894-60 ENT(m)/ENF(1) NN/RM SOURCE CODE: UR/0079/56/036/005/0949/0949	
AUTHOR: D'vakonov, I. A.; Repinskaya, I. B.; Golodnikov, G. V.	
ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)	
ORG: Leningrad State University (Associated S	C
SOURCE: Zhurnal obshchey khimii, v. 36, no. 5, 1966, 49	,
ABSTRACT: Diphenylmethylene (DM), obtained by thermal decomposition of diphenyldiazomethane (DD), adds to the silicoolefins (SO) trimethylvinyl, trimethylallyl, and methane (DD), adds to the silicoolefins (SO) trimethylvinyl, trimethylallyl, and trimethyl-y-butenylsilanes, forming silicon-containing cyclopropane (CD). An estimate trimethyl-y-butenylsilanes, forming silicon-containing cyclopropane (CD). An estimate trimethyl-y-butenylsilanes, forming silicon-containing cyclopropane (CD). An estimate the method of competing reactions, and on the dotermination of the relative rate contained the method of competing reactions, and on the dotermination of the relative rate contained from the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constant of the reaction with DD was taken as unity. The Krel. tene, whose rate constan	
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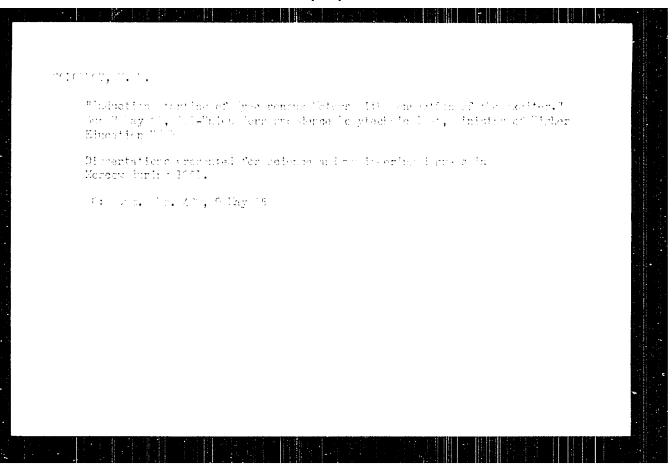






SALYUKOV, P.A., kand. biol. nauk, VERNIGOR, V.A., kand. sel'khoz., nauk; KORMANOVSKAYA, M.A., kand. sel'khoz. nauk; GOLCLNOV, A.V.; SKOHOBOGATOV, Yu.A., mladshiy nauchnyy sotr.; MALLITSKIY, V.A., kand. sel'khoz. nauk; CHABHCHIN, B.V., kand. sel'khoz. nauk; PONCMAREV, F.P., kand. tekhn. nauk; BARMINTSEV, Yu.N., doktor sel'khoz. nauk; NECHAYEV, I.N., mlad. nauchnyy sotr; POZDNYAKOV, P.M., kand. biol. nauk; KCVIN'KC, D.A., kand. biol. nauk; BALANINA, (.V., kand.sel'-khoz. nauk; MOISEYEV, K.V., kand. sel'khoz. nauk; HCMANOV, P.F., kend. veter. nauk; PAI'GGV, A.A., kand. veter. nauk; ANAN'YEV, P.K., kand. veter. nsuk; VASIL'YEV, B.M., kand. sel'khoz. nauk; AEDULLIN, V.A., kand. ekon. nauk; GALIAKBEROV, N., laureat Gos. premii, kand. sel'khoz. nauk, red.; GUSEVA, N., med.; NAGIBIN, P., tekhn. red.

[Reference book for zootechnicians] Spravochnik zootekhnika.
Fod red N.Galiakberova. Alma-Ata, Kazsel'khozgiz, 1963.
492 p. (MIRA 16:5)
(Kazakhstan-Stock and stockbreeding)



AID P - 3435

Subject

: USSR/Electricity

card 1/2

Pub. 27 - 2/32

Author

: \_Golodnov, M. N., Kand. of Tech. Sci., Dotsent,

Rostov-on-the-Don

Title

: Permissible load in starting synchronous motors with

directly-connected exciter

Periodical

: Elektrichestvo, 10, 7-10, 0 1955

Abstract

: Current circulars of the Ministry of Electric Power Stations No. 7/E 1952 and No. E-5/54 1954 permit the starting without preliminary tests of synchronous motors with directly connected exciter and with resistance moment not exceeding 0.4 of the nominal. The author presents a simple engineering method of approximate calculations to determine the possibility of applying direct starting of synchronous salient-pole motors. He presents results of calculating the characteristics of motors of the SM-300-750 217-kw,

Elektrichestvo, 10, 7-10, 0 1955

AID P - 3435

Card 2/2 Pub. 27 - 2/32

6-kv, and SM-160-500 113-kw, 380-v types. The author suggests experimenting with his method to ascertain the possibility of starting motors with a resistance moment above 0.4 of the nominal. Analytical findings of the author have been verified experimentally not only by himself, but also by several laboratories (Central Scientific Research Institute of the Ministry of Electric Power Stations and others). Two diagrams, 2 Soviet references (1950, 1952).

Institution : None

Submitted : N 29, 1954

AUTHORS:

Golodnov, L. N., Docent, Candidate of

105-58-4-22/37

Technical Sciences (Tathy a Joan

TITLE:

Experimental Determination of the Farameters of an

Equivalent Generator in Linear A. C. Circuit

(Opythoye opredeleniye parametrov ekvivalenthogo generatora

v lineynykh tsepyakh peremennogo toka)

DuRIGGICAL: Elektrichestvo, 1958, Nr 4, pp. 77-78 (USSR)

ABITRACT:

The determination of the electromotive force of an equivalent generator can be determined without difficulty from the idle motion of a dipole. It is useful to determine the total resistance of the equivalent generator in trying to feed the dipole from a foreign source. This should be done by measuring it at the terminals of the dipole as input resistance while all energy sources feeding it are disconnected and replaced by circuit sections with the same

internal resistances. Sometimes, however, such a

disconnection is not possible or is not desired. In such a case the parameters  $\boldsymbol{r}_{\underline{H}}$  and  $\boldsymbol{x}_{\underline{H}}$  can be determined by two

Card 1,3

experiments applying different loads to the effective dipole.

Experimental Determination of the Parameters of an 105-58-4-22/37 Generator in Linear A. C. Circuit

After the idle motion voltage  $U_0 = E_{\underline{H}}$  was determined the load resistance  $Z_1 = r_1 + jx_1$  is connected to the dipole terminals. Then

$$I_{1} = \sqrt{(r_{\underline{H}} + r_{1})^{2} + (x_{\underline{H}} + x_{1})^{2}}$$
 (1)

I<sub>1</sub> is determined according to the amperameter indication and  $\mathbf{r}_1$  and  $\mathbf{x}_1$ , if unknown, by the indications of amperemeter, voltmeter and wattmeter. The resistance Z, is replaced by  $\mathbf{Z}_2 = \mathbf{r}_2 + \mathbf{j}\mathbf{x}_2$  and the equation (2) is obtained. Both equations (1) and (2) are solved in common and the resistance  $\mathbf{r}_1$  and  $\mathbf{x}_2$  are determined. In practice mostly only effective resistances  $\mathbf{r}_1$  and  $\mathbf{r}_2$  can be connected. Thus

Cara 2/3

Experimental Setermination of the Farameters of an 105-56-4-72/37 Equivalent Generator in Sinear A. C. Circuit

the scheme of the experiment becomes more simple (the wattmeter is no longer needed). The method was tried in practice and the results were good.

AVAILABIE: Library of Congress

1. Generators-Parameter determination-Theory 2. Linear circuits

Card 3/3

AUTHOR:

Golodnov, M. N. Candilate of Technical Colences 105-58-6-27/37

(Rostov-na-Donu = Rostov on Don)

TITLE:

The Determination of the Synchronous Reactance of Three-Phase-Current Generators With Saliant Poles and Permanent Magnets in an Experimental Way (Opredeleniye opytnym putem sinkhromogo reaktivnogo soprotivlěniya trekhfarnykh yavno-

polyusnykh generatorov s postoyannymi magnitami)

PERIODICAL:

Elektrichestvo, 1)58, Nr 6, pp. 91-91 (USSR)

ABSTRACT:

The method of the small slip which is employed for the determination of the synchronous reactances  $x_4$  and  $x_5$  of motors with salient poles cannot be used for meters with permanent magnets. In this case it is expedient to employ an indirect method for the determination of  $x_d$  and  $x_d$  by means of a test with two loads. This method is described here. During idling of the generator the linear voltages  $U_{ab}$ ,  $U_{ca}$ , are means.

sured and the no-load exmof,  $E_0$  is determined ... equation(1). An inductive symmetrical three-phase load is connected with the generator, where the load possesses a low effective resistance. ( $\cos \phi = \text{o.1-o.2}$ ). Then the amperages and the linear voltages of the generator are measured. Corresponding to the

Card 1/2

The Determination of the Synchronous Reactance of Three- 103-58-6-27/53 -Phase-Current Generators With Salient Poles and Permanent Magnets in an Experimental Way

vector diagram the formula (2) is then written down and from it the formula (3) for  $\mathbf{x}_d$  is obtained. As the angle  $\boldsymbol{\phi}$  is near to  $90^{\circ}$  and differs little from  $\Psi_{\star}$  (3) can be written down in the form of (4). For the determination of  $\mathbf{x}_d$  a symmetrical load of a capacity nature is produced in a way that current I according to its phase coincides with the e.m.f.  $\mathbf{E}_0$   $\mathbf{x}_d$  is letermined from equation (6). There are 2 figures.

1. Generators--Performance 2. decerators--Analysis 2. Magnets--Electrical effects 4. Magnets

Card 2/2

307/194-58-7-6/15 AUTHOR:

Golodnov, Mikhail Nikolayevich, Candidate of Technical

Sciences, Docent

TITLE: Equations of the Additional Current and Torque that

Characterise the Influence of the Exciter e.m.f. on Asynchronous Operation of a Synchronous Machine (Uravneniya dopolnitel'nogo toka i depolnitel'nogo momenta, kharakterizuyushchiye vliyaniye e.d.s.

vozbuditelya na asinkhronnuyu rabotu sinkhronnoy mashiny)

PERIODICAL: Izvestiya vyssnikh uchebnykh zavedeniy,

Elektromekhanika, 1958, Nr 7, pp 57-66 (ÚSSR)

ABSTRACT: The meaning of the term 'additional currents' is first defined as follows: If the equations of a synchronous

machine are expressed in operator form the stator and rotor currents may be divided into two components. The first of these are currents due to the system voltage applied to the stator circuit which do not depend on the exciter e.m.f. These currents can be observed

under asynchronous (or synchronous) conditions in the absence of excitation and they are termed 'asynchronous

ourrents'. Secondly, the surrents due to the presence of the exciter e.m.f. in the closed field circuit. In Card 1/6

307/144-58-7-6/15 Equations of the Additional Current and Torque that Characterise the Influence of the Exciter e.m.f. on Asynchronous Operation of a Synchronous Machine

the presence of excitation these currents are superposed on the 'asynchronous carrents' and are termed 'additional' currents. If the effects of saturation and hysteresis are neglected the effect of the asynchronous and additional currents may be considered separately. The equations for the additional current and the additional torque together with the equations for the asynchronous surrent and torque may be used to analyse the operation of synchronous machines running under asynchronous conditions with the exciter connected. In particular these equations have been useful in analysis of the following conditions: starting of synchronous motors with the exciter connected; self-synchronisation of generators; asynchronous operation when the field circuit is open; and some cases of loss of synchronism of a motor. operator equations for the additional currents are given card 2/6 in expressions (10) - (16). Expressions are then derived for the additional current when the field

SOV/144-58-7-6/15

Equations of the Additional Current and Torque that Characterise the Influence of the Exciter e.m.f. on Asynchronous Operation of a Synchronous Machine

current is constant, which is the case for all practical purposes if the exciter is left connected and the field rheostat is not suddenly altered during the process. A number of practical conclusions are derived from the equations. Test results of the additional current and short circuit current as functions of the field current are given in Fig 2 for nine different motors; the test results are stated to confirm equations (31) - (33) and the conclusions drawn from them. The additional current was determined from oscillograms as shown in Fig 1. The characteristics obtained were compared with short circuit characteristics and were usually found to coincide, but in some cases the additional current characteristic lies somewhat lower than the short circuit characteristic, though as will be seen from Fig 2 the difference is not great. The torque expression (3) contains some terms which depend on the angle o and some which do not. Accordingly the additional torque can be resolved into Card 3/6 two components, a mean value given by expression (34)

807/144-55-7-6/15

Equations of the Additional Current and Torque that Characterise the Influence of the Exciter e.m.f. on Asynchronous Operation of a Synchronous Machine

and a periodic component given by expression (35). By further analysis it is shown that the periodic component of the additional torque does not depend on the slip and varies sinusoidally with the slip frequency. oscillogram of this torque as a function of delta with constant slip is given in Fig 3. Expression (39) is derived for the mean value of the additional torque. It will be seen that in general the mean additional torque is small and it is important only in a few special cases. One case in which the additional torque is important is when on starting a synchronous motor against a load the machine fails to rum up to synchronous speed because of troughs in the torque/speed curve. It is shown that in some cases if the field current is increased when this happens the torque may become less because of the retarding effect of the mean additional torque, and then it is necessary either to reduce the Card 1/6 mechanical load or to introduce active resistance into the field circuit so that the machine can run up to

SOV/144-58-7-6/15

the Influence of the Exciter e.m.f. on Asymptotic Operation of a

speed. Test data showing results of increasing the field current when machines fail to run up to speed are given in Table 1, which also includes a few torque values. The assumptions made in the article limit the field of application of eqs (29), (33), (33) and (39) to conditions where the slip is much less than 1, in large modern machines of fairly large flywheel effect with low active stator resistance and a massive rotor. The limitations imposed in the derivation of formulae (38) and (39) render them unsuitable for use at half synchronous speed. Thus Eqs (29) and (38) and conclusions drawn from them can be used for the relatively common case of a machine operating under synchronous conditions with low autivo resistance and slip less than 0.5. Under other conditions and particularly at low speeds there may be other components of additional current and torque which may be of

Card 5/6

304/14-58-7-5/25

Equations of the Additional Current and Torque that Characterise the Influence of the Exciter s.m.f. on Asymmumous Operation of a Synchronous Machine

considerable importance. If such cases it is best to use Eqs (20) - (24) or graphical methods which are not considered here.
There are a figures, I hable and a Soviet references.

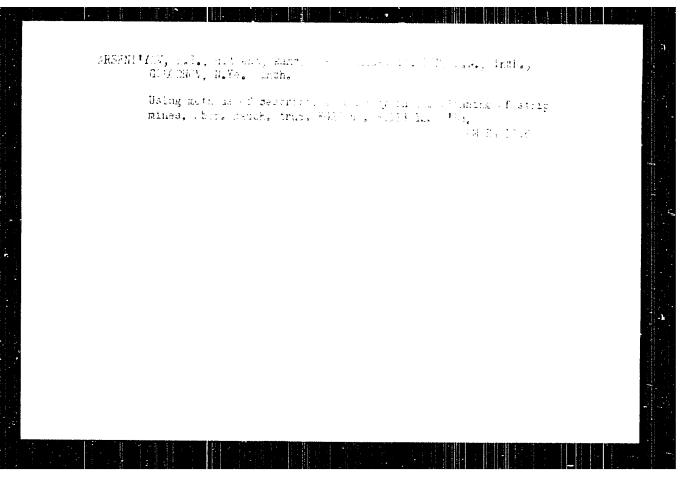
ASSOCIATION: Kafedra eloktrotekhniki Rostovskogo instituta

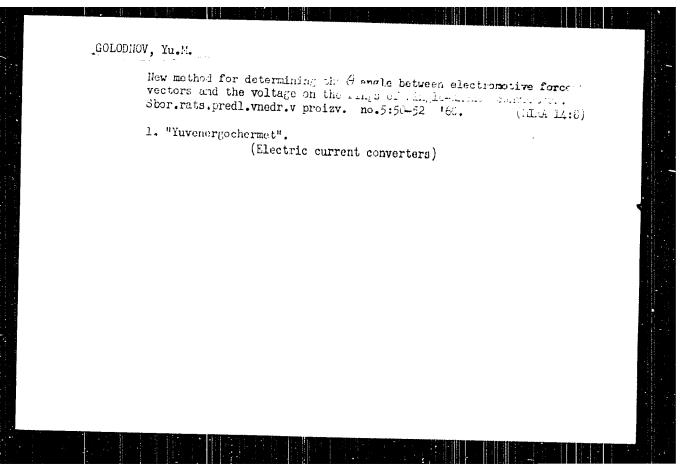
sel'skokhozyaystvenmogo mashinostroyeniya (Chair of Electrical Enginescho. Rostov Institute of

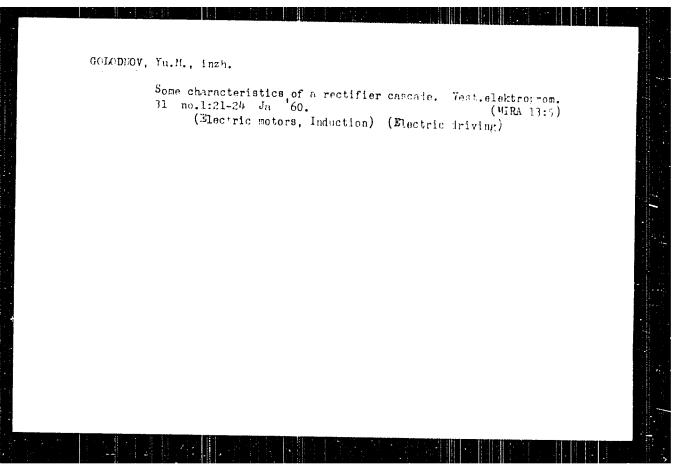
Agricultural became below:

SUBMITTED: Jamuary 31, 1958

Card. 6/6







9,2200 (1001,1482)

3219hs/196/61/000/010/022/037 E194/E155

AUTHOR:

Golodnov, Yu.M.

TITLE

A direct current amperes-squared-hour meter

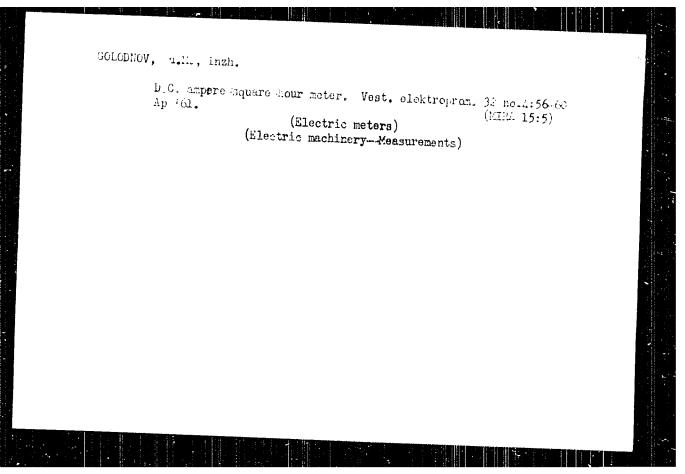
PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 1. abstract lok 6 (Vestn elektropromsti, no.4 1961, 56-60)

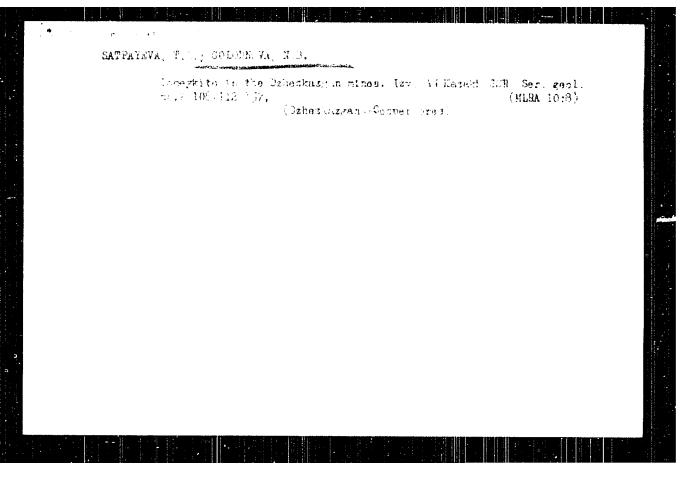
TEXT: "Yuvenergochermet" has developed and made a direct current amperes-squared-hour meter, using compact amplidyne. The electrical circuit and winding data are given, and the construction and operating principles are described. The meter reading is completely independent of the direction of current in the amplidyne control winding Any single-phase induction meter for 127 V, 5 A can be used in the circuit. With a rated control winding current of 2.5 A the meter constant is  $6.52~{
m A}^2{
m h/kWh}$ equipment fits into a carrying case and is easily transported. A variant is described in which the secondary winding of the amplidyne carries 5 A. this set consumes less power, so that a 150 VA stabiliser can be used. With a rated control winding current of 1.5 A the meter constant is 0 965 A2h/kWh Card 1/2

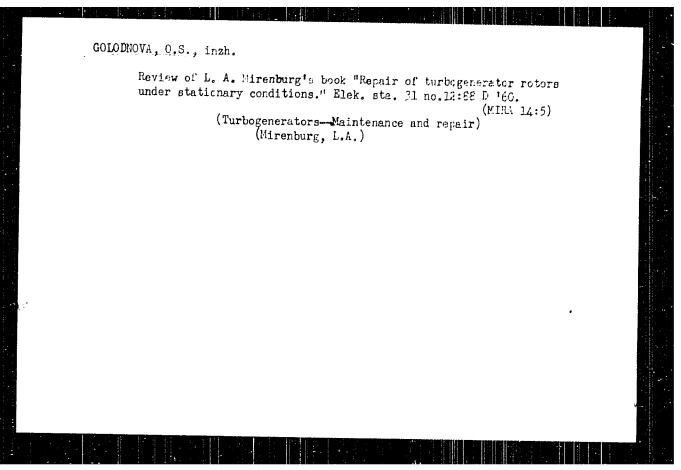
A direct current amperes-squared S/196/61/000/016/022/037 E194/E155

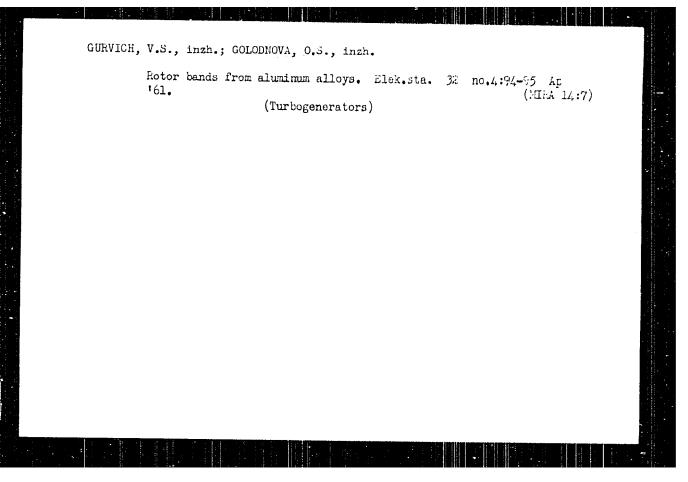
An important advantage of the meter is its ability to operate with a shunt for 33 - 45 mV from which it draws a very small current. Shunts for 75 and 100 mV are used in conjunction with additional resistances. The meter can be used to measure r.m.s currents in reversing circuits having peak loads with an accuracy of 2.5%. The meter can be used in circuits of 100 A and more 5 figures

[Abstrator's note Complete translation]









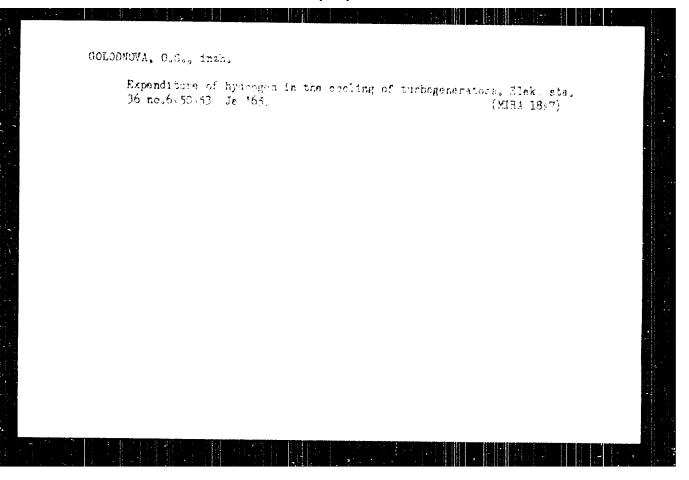
GOLODNOVA, O.S., inzh.; DEGIL', G.S., inzh.; PANCHENKO, A.U., inzh.;
TUROS, A.E., inzh.; MESHKOV, 7.K., inzh.

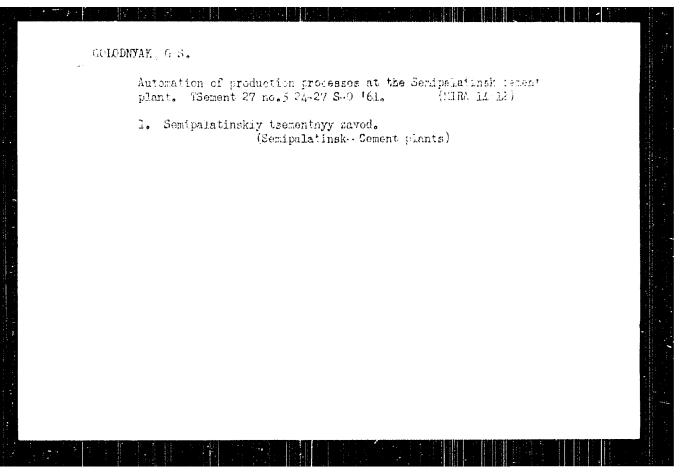
Concerning the seals of hydrogen cooled turbogenerators. Elek. sta. 33 no.8:60-68 Ag '62. (MIRA 15:8)

1. Rostovenergo (for Golodnova). 2. Glavnove upravlenive energeticheskogo khozyaystva Donetskogo basseyna (for Degil', Panchenko, Turos). 3. Moskovskoye rayonnove upravlenive energeticheskogo khozyaystva Glavtsontroenergo Ministerstva elektrostantsiy SSSR (for Feshkov).

(Turbogenerators)







4.4	Automatic sprinkling of the shells of cement mills. TSement 28 no.1:21 Ja-F '62. (MIRA 16:5)
	1. Bezmeinskiy tsementnyy zavod. (Milling machinery)

GOLODNYAK, N.

Encourage the activities of key personnel. Youn.znan. 35 no.4: 11-12 Ap 159. (AIRA 12:7)

1. Predsedatel' Kiliyakogo rayonnogo Komiteta Vsesoyuznogo dobrovol'nego obshchestva sodeystviya armii, aviatsii i flotu.

(Military education)

0

USS / Farm Animals. Small Horned Stock

ur: Ref Zhur-Biol., No 5, 1958, 21471

Author : Olenin F. S., Gritsay S. P., Golodnyy I. F.

Inst

: A New Technique of Feeding Lambs and Its Effective-Title ness (Novaya tekhnika kormleniya yalmyat i eye okon-

omicheskaya effektivnost!)

Orig Pub: S. kh. Povolzh'ya, 1957, No 6, 67-69

Abstract: Laboratory experiments were carried out in order to

test "rhythmic" feeding onweanling lambs (the ration of one 6-day period was increased by 20% and that of the other 6-day period was diminished by 20%). It was found that the average daily weight increase or test animals was 32%, shearing yield 400 g. more, and the feeding per 1 kg. of weight increase was 2.42 feed units less than in the control group.

Card 1/2

Galadnay, Ta

AUTHOR:

Golodnyy, Ts.

25-11-24/23

TITLE:

Explorer of Arctic Regions (Issledovatel' Arktiki)

PERIODICAL:

Nauka i Zhizn', 1957, # 11, pp 57-58 (USSR)

ABSTRACT:

Petr Filimonovich Shvetsev, doctor of geological-mineralogical sciences, member-correspondent of the UCSR Academy of Sciences, winner of the Stalin prize, succeeded the Soviet geologist Vladimir A. Obruchev as head of the Institute for the Study of Congelation. Soviet scientists, such as Sumgin, Tsytovich, Tolstikhin, Kudryavtsev, Baranov, Soltykov, prepared the ground for this new branch of science. Shvetsov was among the first scientists to recommend the exploration of the arctic regions. He established the first Soviet station for the study of congelation on the Chukotsk peninsula. His first scientific publication dealt with the research of the Pinkegneysk thermal spring, and he provided the possibility to take advantage of these valuable resources. The results of his second expedition to the Chukotsk peninsula were summed up in his second work "Eternal Congelation and Technical Geological Conditions in the Anadyrsk Region". The material for his latest publication

Card 1/2

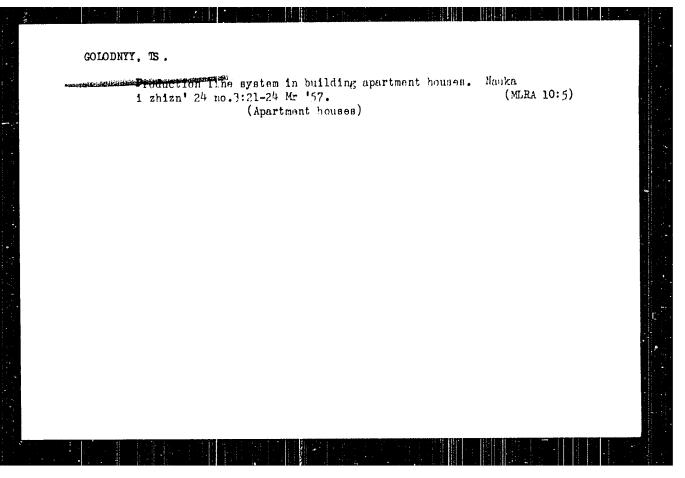
Explorer of Arctic Regions

"Jubterranean Waters of the Verkhoyansk-Kolyna Folded Region and Peculiarities of Their Occurence, Connected with Eternal Congelation", was collected during a two-year research expedition to Yakutiya.

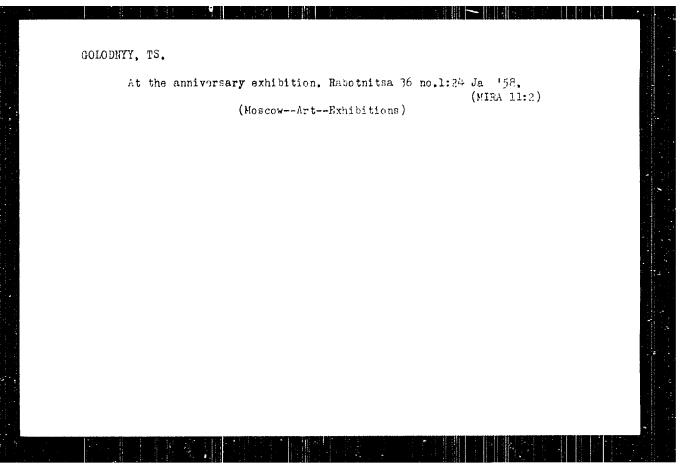
There are three photographs and one sketch.

AVAILABLE: Library of Congress

Card 2/2



BOLD PRIVATA. AUTHUR: Golodnyy, To. 25-1-20045 TITLE: An Experimental Block (Rvarta, embjerimentov) - Nauka i Zhizmi, 1956, # 1, pp 60-64 (USBR) PERIODICAL: ABSTRACT: This article leads with the construction of the first Soviet experimental apartment buildings in the Novyye Cheremuski area of Moscow. The building ground consists of two parts: the housing area and the social center. There are 13 four-storied and 5 eight-storied apartment houses under construction. The social center consists of a school, a kindergarten, a public nursery, repair services, shops, a public dining-room and parking lits.
There are seven photographs and one illustration. AVAILABLE: Litrary of Congress Card 1/1



GOIODNYY, TS.

A book arrived at the plant. Rabotnitsa 37 no.10:27 0 '59.
(MTRA 13:2)

1.Kombinat "Trekhgornaya manufaktura," Moskva.
(Moscow--Booksellers and bookselling)